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Arth. from *Muhlenbergia mexicana*. On May 5 a few spermogonia appeared and a few days later the numerous clusters became very conspicuous. $\ddot{\text{A}}$ ecidia in fair numbers appeared May 15. This experiment seemed from the first appearance of the spermogonia to be conclusive, yet it was deemed best to repeat it on a larger scale. Accordingly three thrifty large plants and two transplanted somewhat later and only pushing out the shoots half an inch, the leaves not yet unfolded, were carefully inoculated (Exp. No. 161) with teleutosporic material similar to that used in the first experiment. On May 13 the spermogonia appeared and at this writing all of the leaves of the five plants inoculated are highly colored with the myriads of spermogonia and $\ddot{\text{a}}$ ecidia, and a few of them are partially aborted from the presence of the parasite.

Caeoma $\ddot{\text{A}}$ ecidium *hibisciatum* was described by Schweinitz in 1834 (Trans. Am. Phil. Soc. Philadelphia, 4:239). The *Puccinia* in question, rather common throughout Eastern United States, was called *Puccinia windsoriæ* and *Puccinia dochmia*. Dr. Arthur has shown that these two names apply to different species of Rusts—the former designating a *Puccinia* that belongs to *Tricuspidis* (*Triodia*), and the latter having as its host the species of *Muhlenbergia*. But he separated the Rust in question from *Puccinia dochmia* and proposed the name *Puccinia muhlenbergiæ* Arth., Bull. Lab. Nat. Hist. State Univ. Iowa, 5:317. Oct. 1902.

It therefore becomes necessary to make a new combination as shown in the following paragraph which also recapitulates the synonymy:

Puccinia hibisciatum (Schw.) Kellerman n. n.

$\ddot{\text{A}}$ ecidium *hibisciatum* Schw. 1834.

Puccinia windsoriæ Burr. non Schw. 1885.

Puccinia muhlenbergiæ Arth. 1902.

OHIO FUNGI. FASCICLE VII

W. A. KELLERMAN, OHIO STATE UNIVERSITY.

List of Species and Hosts.

121. *Aecidium grossulariæ* (Pers.) Schm., on *Ribes cynosbati* L.
122. *Albugo candidus* (Pers.) Kuntze., on *Bursa bursa-pastoris* (L.) Britt.
123. *Cercospora maianthemi* Fckl., on *Unifolium canadense* (Desf.) Greene.
124. *Cladosporium herbarum* (Pers.) Link., on *Ampelopsis tricuspidata* Sieb. & Zucc.
125. *Corticium oakesii* B. & C., on *Ostrya virginiana* (Mill.) Willd.
126. *Hydnellum coraloides* Scop., on Beech logs.

127. *Hydnus erinaceus* Bull., on rotten logs.
128. *Puccinia cirsii-lanceolati* Schroet., on *Carduus lanceolatus* L.
129. *Puccinia helianthi* Schw., on *Helianthus decapetalus* L.
130. *Puccinia lateripes* B. & R., teleutospores, on *Ruellia strepens* L.
131. *Puccinia lateripes* B. & R., aecidiospores, on *Ruellia strepens* L.
132. *Puccinia violae* (Schum.) DC., on *Viola striata* Ait.
133. *Ramularia barbareæ* Pk., on *Barbareæ barbareæ* (L.) McM.
134. *Ramularia variabilis* Fckl., on *Verbascum thapsus* L.
135. *Ramularia arvensis* Sacc., on *Potentilla monspeliensis* L.
136. *Septoria erigeronis* Pk., on *Erigeron annuus* (L.) Pers.
136. *Septoria lycopersici* Speg., on *Lycopersicon lycopersicon* (L.) Karst.
138. *Septoria scrophulariae* Pk., on *Scrophularia marylandica* L.
139. *Stereum sericeum* (Schw.) Fr., on *Carpinus caroliniana* Walt.
140. *Uromyces trifolii* (Hedw.) Lev., on *Trifolium pratense* L.

121. *Aecidium grossulariae* (Pers.) Schum.

Spermogonia only.

On *Ribes cynosbati* L.

Columbus, Ohio.

May 9, 1902.

Coll. W. A. Kellerman.

Supplement to No. 81.

122. *Albugo candidus* (Pers.) Kuntze.

On *Bursa bursa-pastoris* (L.) Britt.

Columbus, Ohio.

May 9, 1903.

Coll. W. A. Kellerman.

Supplement to No. 63.

123. *Cercospora maianthemi* Fckl.

On *Unifolium canadense* (Desf.) Greene.

(*Maianthemum canadense* Desf.)

West Mansfield, Logan Co., O. June 10, 1902.

Coll. W. A. Kellerman.

"C. Majanthemi. — F. rh. 1631. — Cæspitibus in marculis exaridis, punctiformibus, gregariis, cinereo-viridibus; hyphis erectis, continuis, simplicibus, flexuosis, crassis, multiguttulatis, fuscis; conidiis linearibus, multiseptatis fuscescentibus, saepè curvatis.

"An der unteren Fläche noch lebender Blätter von *Maianthemum bifolium*, selten, im Sommer. Im Jura von Morthier gesammelt." L. Fuckel, *Symbolæ Mycologicæ*, 353. 1869.

124. *Cladosporium herbarum* (Pers.) Link.

On old stems of *Ampelopsis tricuspidata* Sieb. & Zucc.

Columbus, Ohio.

March 20, 1903.

Coll. W. A. Kellerman.

“*DEMATIUM HERBARUM*: Effusum compactum virescente-olivaceum pulverulentum.

“In caulibus plantarum maiorum, colore læte olivaceo distinguitur.

“*Byssus cæpitosus*.” D. C. H. Persoon, *Synopsis Methodica Fungorum*, 699. 1801.

122. *Corticium oakesii* B. & C.

On *Ostrya virginiana* (Mill.) Willd.

Columbus, Ohio.

Sept. 8, 1902.

Coll. F. J. Tyler.

“*PEZIZA AMORPHA*: Sparsa subcoriacea majuscula sessilis, cupulis orbicularibus subeffusisque: disco planiusculo rufo, externe tomentoso-albidis.

“Peculiarem hanc speciem *Thelephoris* subaffinem mihi misit Dom. Ludwig. Lin. 1-2 lata. *Cupulae* nonnullae longitudinaliter in unc. unam confluunt.” D. C. Persoon, *Synopsis Methodica Fungorum*, 657. 1801.

126. *Hydnnum coralloides* Scop.

On Beech logs.

Westerville, Franklin Co., O. Oct. 22, 1902.

Coll. J. G. Sanders.

“*Clavaria ramosa*; extremis ramulis teretibus, subulatis, recta deorsum descendenteribus.”

“Habitat in uidis putridisque lignis. Octobri M.”

“*Stipes* cum trunco, cui innascitur angulum reductum constituit, ultimi vero ramuli cum eodem trunco paralleli sunt *Erinaceorum* aculeis simillimi, and forte eusdem Gentis.” J. A. Scopoli, *Flora Carniolica*, 61. 1760.

127. *Hydnnum erinaceus* Bull.

On rotten logs.

Columbus, Ohio. Oct. 15, 1902.

Coll. Modesto Quiroga.

“*Hydne Hérisson*. *Hydnnum erinaceus*.

Hydnnum majus, convexum è candido-flavicans nec coriaceum; aculeis longissimis, gradatim dependentibus.

“In quercubus vivis parasitat; ut plurimum sessile; interdum in formam stipitis lateralis plus minus elongati, fig. A, gracilescens.

Agaricus barbatus flavescent. Buxb. Cent. I. 35. Tab. 56. Fig. 1.

Caract. Spécif. L’*Hydne Hérisson* est une des plus grandes espèces de ce genre; il est convexe, blanc d’abord, jaunâtre ensuite; sa base charnue et tendre est hérissée de longs aiguillons qui pendent tous parallèlement et se terminent par étages.” Pierre Bulliard, *Histoire des Champignons de la France*, 1:304. Pl. 34. 1791.

128. **Puccinia cirsii-lanceolati Schroet.**On *Carduus lanceolatus* L.

Lakeside, Ottawa Co., O. Sept. 21, 1902.

Coll. W. A. Kellerman.

"*P. Cirsii lanceolati* n. sp. Aecidien in kleinen Gruppen zusammen-
gestellt. Pseudoperidien sehr locker gefügt, weit becherförmig. Sporen
elliptisch mit farbloser, feinwarziger Membran und hell orange-rothem
Inhalt. Uredo in rundlichen, kastanienbraunen Häufchen. Sporen kuge-
lig, elliptisch oder eiförmig, 24-30 μ lang, 20-25 μ breit; Membran kasta-
nienbraun, feinstachlig, an den Seiten mit 3, bei Befeuchten stark aufquel-
lenden Keimporen. Teleutosporen in den Uredo-Häufchen auftretend,
oder alleinstehend in schwarzbraunen Häufchen, elliptisch, nach unten
abgerundet oder etwas verschmälert, in der Mitte wenig oder gar nicht
eingeschnürt, 33-42 μ lang, 22-26 μ breit; Membran dunkel kastanienbraun,
glatt, am Scheitel etwas verdickt und oft in eine flache kappenförmige
Spitze verschmälert." J. Schroeter, Kryptogamen-Flora von Schlesien,
Pilze, 3¹:317. 1889.

129. **Puccinia helianthi Schw.**On *Helianthus decapetalus* L.

Buckeye Lake, Licking Co., Ohio. Oct. 23, 1902.

Coll. W. A. Kellerman.

Supplement to No. 10.

130. **Puccinia lateripes B. & R.**On *Ruellia strepens* L.

Columbus, Ohio. September 1902.

Coll. W. A. Kellerman.

"Puccinia lateripes. B. & R.

"*Epiphylla maculisi* flavis vel nullis; sporis brevibus utrinque obtusis
pedicello longo flexuoso lateraliter.

"On leaves of *Ruellia*. Car. Inf. Ravenel. No. 1641.

"Spots yellow or quite obsolete; sori scattered; spores short, obtuse
at either end, almost horizontal, with a long lateral flexuous stem." M.
J. Berkeley, Grevillea, 3:52. December 1874.

131. **Puccinia lateripes B. & R.**

Æcidia only.

On *Ruellia strepens* L.

Columbus, Ohio.

June 22, 1902.

Coll. W. A. Kellerman.

Supplement to No. 130.

132. **Puccinia violae (Schum.) DC.***Æcidium.*On *Viola striata* Ait.

Columbus, Ohio.

May 5, 1903.

Coll. J. G. Sanders.

"Ae. Violæ, orbiculare vel oblongum vel solitarie sparsum flavum, peridiis cupularibus flavis, ore dentato erecto pulvere aurantiaco.

"Congestum in foliis, solitarie et sparsum in petiolis Violæ caninæ. Eestate." Schumacher, *Enumeratio plantarum in partibus Sællandiæ*, 2:224. 1803.

133. **Ramularia barbareæ Pk.**On *Barbarea barbarea* (L.) McM.

Columbus, Ohio.

May 8, 1903.

Coll. W. A. Kellerman.

"*Ramularia barbareæ* n. sp.

"Spots suborbicular, arid, white, generally bordered by a slightly thickened brown line; flocci amphigenous, either short and branched or long and simple; spores oblong or cylindrical, often catenulate, rarely uniseptate, .0004 to .0009 inch long, .00012 to .00016 broad." Charles H. Peck, *Annual Report of the New York State Museum of Natural History*, 1886, 40:63. 1887.

134. **Ramularia variabilis Fckl.**On *Verbascum thapsus* L.

Columbus, Ohio,

May 2, 1903.

Coll. W. A. Kellerman.

"*R. variabilis*.—F. rh. 135. pr. p. (unter *Oidium Fusisporioides*).—Cæspitibus laxis, tenuibus, candidis, in macula subfusca virescentive; hyphis fasciculatis, flexuosis, brevissimis; conidiis valde variis, ovatis, obovatis, ellipticis cylindraceis, hyalinis."

"An den Blättern von *Verbascum Thapsus* und *Digitatis purpurea*, häufig, im Herbst." L. Fuckel, *Symbolæ Mycologicæ*, 361. 1869.

135. **Ramularia arvensis Sacc.**On *Potentilla monspeliensis* L.

Columbus, Ohio.

May 8, 1903.

Coll. W. A. Kellerman.

"*Ramularia arvensis* Sacc. F. it t. 1000—Maculis subcircularibus albicanibus, rubro-marginatis, minutis; hyphis epiphyllis fasciculatus sub-simplicibus, continuis, hyalinis, denticulatis; conidiis cylindraceis, continuis v. 1—septatis, 22-26 x 2.5-4, breve catenulatis, hyalinis." P. A. Saccardo, *Michelia*, 2:548. 1882.

136. *Septoria erigerontis* Pk.On *Erigeron annuus* (L.) Pers.

Columbus, Ohio.

May 19, 1903.

Coll. W. A. Kellerman.

"Septoria Erigeronis n. sp.

"Spots small, orbicular, distinct, rarely confluent, arid, surrounded by a dark brown or blackish line; perithecia minute, black on the upper surface of the leaf; spores thread-shaped, simple, 1/1000' long or more.

"Leaves of *Erigeron annuum*. Greenbush. July. The spots are 1"-2" in diameter." Charles H. Peck, Annual Report of the New York State Cabinet of Natural History, 1871, 24:87. 1873.137. *Septoria lycopersici* Speg.On *Lycopersicon lycopersicon* (L.) Karst.

Columbus, Ohio.

Aug. 2, 1903.

Coll. W. A. Kellerman.

"SEPTORIA LYCOPERSICI Speg. (n. sp.)

Diag. Maculæ magnæ sæpe totum folium occupantes, sordide fusco-cinerascentes, subindeterminatæ; perithecia sparsa sæpius hypophylla, lenticulari-hemisphærica, prominula, atra, membranacea, contextu parenchymatico, olivaceo; spermatio bacillari-cylindracea v. bacillari-subclavulata majuscula (70-110 x 3), 3-pluriseptata, utrinque obtusiusculæ attenuato-rotundata, hyalina.*Hab.* "In foliis languidis *Solani lycopersici* in hortis, Boca del Ria-chuelo, Maj. 1881." Auctore Carolo Spegazzini, Fungi Argentini, Pugillus quartus, 115. 1882.138. *Septoria scrophulariae* Pk.On *Scrophularia marylandica* L.

Columbus, Ohio.

May 9, 1903.

Coll. W. A. Kellerman.

"Septoria Scrophulariae n. sp.

"Spots small, arid, whitish, surrounded by a purplish-brown border; perithecia few, on the upper surface; spores filiform, curved, hyaline, .001"-0.016" long." Charles H. Peck, Annual Report of the New York State Museum of Natural History, 1889, 40:57.

139. *Stereum sericeum* (Schw.) Fr.On *Carpinus caroliniana* Walt.

Columbus, Ohio.

Oct. 17, 1902.

Coll. W. A. Kellerman.

"Thelephora sericea Sz.

"T. minor sessilis orbiculata repanda papyracea confluens sericea candida, hymenio pallide fuscescente substriato, papillis minutis.

"Frequens ad ramicos emortuos juniores. Orbiculata, centro affixa. Pileus sericeus, nitens, strigositate arcte appressa." L. D. de Schweinitz, Synopsis Fungorum Carolinæ Superioris, 80. 1822. [Excerpt, Schrift. d. Nat. Gesellschaft zu Leipzig.] z

140. *Uromyces trifolii* (Hedw.) Lev.*Uromyces trifolii* (Hedw.) Lev.On *Trifolium pratense* L.

Columbus, Ohio.

Nov. 4, 1902.

Coll. W. A. Kellerman and Jas. McOwen, Jr.

"Puccinia des trefles. *Puccinia trifolii*.

"Puccinia trifolii. Hedw. f. Fung. ined. t. 18.

"Cette espèce est intermédiaire entre les puccinies et les uredos; elle attaque les tiges, les pétioles, les nervures et les deux surfaces des feuilles; elle boursoufle, défigure, recroqueville souvent les organes sur lesquels elle croît et empêche le trefle de fleurir; ses taches sont oblongues ou irrégulières, bordées ou couvertes par les débris de l'épiderme déchiré; la poussière est d'un brun roux, composée de globules ovoïdes portés sur un pédicelle excessivement court, et qui est quelquefois obliééré. J'ai trouvé cette espèce dans un pré ombragé, près Fontenai-aux-Roses: elle croît sur le trefle filiforme et le trefle hybride." DeCandolle, Flore Française, 2:225. 1815.

Correction, May 28, 1903.

82. *Puccinia hibisciatum* (Schw.) Kellerm.*Æcidium hibisciatum* Schw.

Correction, May 28, 1903.

108. *Puccinia hibisciatum* (Schw.) Kellerm.*Puccinia muhlenbergiae* Arth.

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ACACIA emarginata, host to *Pyropolyporus robiniæ* Murrill n. sp.
Bull. Torr. Bot. Club, 30:115. Feb. 1903.

ACACIA farnesiana, pods, host to *Ravenelia siliquæ* Long n. sp.
Bot. Gaz. 35:118. Feb. 1903.

ACAROSPORA epilutescens A. Zahlbr. n. sp., ad saxa granitica.
Beihefte z. Bot. Centralbl. 13:161. 1902.

ACAROSPORA obpallens (Nyl.) A. Zahlbr. n.n. [Lecanora obpallens
Nyl.] Beihefte z. Bot. Centralbl. 13:161. 1902.

ACAROSPORA peltastica A. Zahlbr. n. sp., ad saxa granitica. Beihefte z. Bot. Centralbl. 13:161. 1902.